

Jean Gabriel Dela Cruz

757-818-5403 | jgdcruz1179@gmail.com | linkedin.com/in/jgdcruz | github.com/gdcruz0911

EDUCATION

University of Virginia

Bachelor of Science in Computer Science

- Coursework: Data Structures and Algorithms, Software Engineering, Computer Systems and Organization I & II, Machine Learning - Image Analysis, Data to Knowledge, Intro to Cybersecurity, AI-Powered Cybersecurity

Tidewater Community College

Associate of Science in Computer Science

Charlottesville, VA

Expected May 2027

Virginia Beach, VA

Aug. 2023 – May 2025

TECHNICAL SKILLS

Languages: Python, C, Java, TypeScript, JavaScript, SQL (PostgreSQL, SQLite, MySQL), NoSQL, R, HTML, CSS

Frameworks: React, Next.js, Django, Node.js, Express.js, PyTorch, Tailwind CSS

Developer Tools: Git, Linux, AWS, Supabase, Codex, Claude Code, GitHub Copilot

CERTIFICATIONS

AWS Certified AI Practitioner | Amazon Web Services

Aug. 2026

AWS Certified Cloud Practitioner | Amazon Web Services

Aug. 2026

PROJECTS

Mahjong Club @ UVA Website (Webmaster) | *Next.js, TypeScript, CSS*

Aug. 2026 – Present

- Developed and deployed a responsive web platform tracking club metrics, rules, and events for 50+ active members using Next.js and TypeScript
- Implemented a data processing pipeline in Python that validates weekly match score sheets, calculates running point differentials, and dynamically publishes club-wide leaderboards
- Configured GitHub Actions CI/CD workflows to automate TypeScript type-checking, automated linting, test validation, and static asset generation on push

Hearth | *Python, MLX, SQLite*

- Developing a local-first retrieval-augmented generation (RAG) tool in Python to query documents privately on-device without external API calls.
- Implemented an ingestion pipeline using Poppler and OCR fallback to extract PDF/Markdown text while tracking document and page-level sources in SQLite.
- Building local MLX model adapters, embedding generation, and a lightweight CLI/web interface that surfaces verifiable citations with every response.

Clubstrate | *Python, Django, PostgreSQL, WebSockets, AWS S3, Heroku*

- Engineered a full-stack student organization management portal serving university organizations with role-based access control and Google OAuth 2.0 authentication
- Built an asynchronous, real-time messaging and social connection subsystem utilizing Django Channels, Daphne, and WebSockets to handle two-way user communication
- Designed relational schemas in PostgreSQL and integrated AWS S3 for secure, scalable static and media asset storage, maintaining a continuous deployment pipeline via Heroku

Portfolio Website | *Next.js, TypeScript, Tailwind CSS, Vercel*

- Built a responsive personal portfolio to showcase technical projects and photography, with optimized images and page-specific metadata

EXPERIENCE

Imaging Technician I

Commence (formerly DOMA Technologies)

Virginia Beach, VA

Summer 2021; Aug. 2022 – Nov. 2024

- Digitized, indexed, and processed high-volume client documents into proprietary conversion software, consistently exceeding daily production quotas by 50%.
- Conducted routine quality-control audits on digital records to maintain strict accuracy and full compliance with federal PII/PHI and HIPAA regulations.

Part-Time Waitstaff

Atlantic Shores Retirement Community

Virginia Beach, VA

Jan. 2025 – Jan. 2026

- Delivered attentive, accurate dining service in a fast-paced continuing care community, maintaining schedule reliability and composure under pressure while managing a rigorous academic course load.